

Draft watershed phosphorus effluent limit review scenario matrix

Scenarios	Downstream WQ status	Technique	Sub Technique
1	protection potential (no impairments)	mass balance	
2	response potential (no impairments)	mass balance	
3	Impairments within watershed	mass balance	background - subtraction
4	Impairments within watershed	mass balance	background - 1/2 of standard
5	Impairments within watershed	mass balance	background -substitution
6	Impairments within watershed	HSPF model	pre TMDL - preliminary
7	Impairments within watershed	HSPF model	post/final draft TMDL
8	Load Limit	HSPF or Mass Balance	
9	Concentration Limit	HSPF or Mass Balance	

Note

Wild Rice River, Root River

Mississippi River - Saint Cloud, Kettle River

North Fork Crow River, Le Sueur, Blue Earth, Watonwan

South Fork Crow River

Buffalo Creek (possibly), Tribs to Minnesota River
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Des Moines River (multi watershed), Zumbro
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Cannon River, Minnesota River Basin

Scenarios (1-7) could be expressed with a mass limit , pending sensitivity analysis.

Scenarios (1-7) could be expressed with a concentration limit , pending sensitivity analysis.
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